

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-9. (canceled)

1 10. (currently amended) The method of reducing the amount
2 of carbon monoxide in a process fuel gas, comprising the
3 steps of:

4 a. placing a catalyst bed (34, 50) in a water gas
5 shift reactor (16HT, 16LT), the catalyst of the bed
6 being selected from one or more metals from the group
7 consisting of the noble metals and the group of non-noble
8 metals consisting of chromium, manganese, iron, cobalt,
9 and nickel, the one or more metals of the catalyst bed
10 having a promoted support, the promoted support
11 comprising at least a metal oxide;

12 b. feeding (36) the process fuel gas into operative
13 proximity with the catalyst bed (34, 50) to convert at
14 least a portion of the carbon monoxide in the process
15 fuel gas into carbon dioxide via a water gas shift
16 reaction; and

17 c. supplying oxygen (40, 40A, 40B, 40C, 40D, 41A,
18 41B, 41C, 41D) to the process fuel gas near, or prior
19 to, the catalyst bed (34, 50) for further converting
20 carbon monoxide in the process fuel gas, the quantity of
21 oxygen being less than about 0.2 mol%.

11. (canceled)

12. (canceled)

1 13. (currently amended) The method of claim 107 wherein
2 the step of supplying oxygen (40, 40A, 40B, 40C, 40D,
3 41A, 41B, 41C, 41D) to the process fuel gas comprises
4 varying (41A, 41B, 41C, 41D) the quantity of oxygen
5 supplied to attain a desired response.

1 14. (previously presented) The method of claim 10 wherein
2 the step of supplying oxygen (40, 40A, 40B, 40C, 40D,
3 41A, 41B, 41C, 41D) to the process fuel gas near, or
4 prior to, the catalyst bed (34, 50) effects an oxidation
5 reaction for further converting carbon monoxide in the
6 process fuel gas to carbon dioxide.

1 15. (previously presented) The method of claim 10 wherein
2 the step of supplying oxygen (40, 40A, 40B, 40C, 40D,
3 41A, 41B, 41C, 41D) to the process fuel gas near, or
4 prior to, the catalyst bed (34, 50) effects an oxidation
5 reaction.

16. (canceled)

17. (canceled)

1 18. (previously presented) The method of reducing the
2 amount of carbon
3 monoxide in a process fuel gas, comprising the steps of:
4 b. placing a catalyst bed (34, 50) in a water gas
5 shift reactor (16HT, 16LT);
6 b. feeding (36) the process fuel gas into operative
7 proximity with the catalyst bed (34, 50) to convert at
8 least a portion of the carbon monoxide in the process

9 fuel gas into carbon dioxide via a water gas shift
10 reaction; and
11 c. supplying oxygen (40, 40A, 40B, 40C, 40D, 41A,
12 41B, 41C, 41D) to the process fuel gas near, or prior
13 to, the catalyst bed (34, 50) for further converting
14 carbon monoxide in the process fuel gas, the quantity of
15 oxygen added to the process fuel gas being less than
16 about 0.2 mol%.